InfoPrint 6500 enhancements include new controller with integrated 10/100 Ethernet adapter and wireless Ethernet adapter in selected regions

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At a glance

The InfoPrint 6500 Models v1p, v5p, v05, v10, v15, and v20 are being enhanced with:

- New, improved, more reliable printer controller
- Optional customer-installable on-board 10/100 Ethernet port

Overview

InfoPrint® Solutions Company, a Ricoh®-IBM joint venture, announces enhancements to the InfoPrint 6500 printer.

The InfoPrint 6500 printers offer ease of use, cost-effective printing, and powerful remote management to keep information flowing.

Enhancements to the InfoPrint 6500 include:

- New printer controller
- Customer-installable on-board Ethernet 10/100 BaseT port

The InfoPrint 6500 models are feature-rich impact printers that deliver:

- A new, more reliable controller with improved circuitry
- A customer-installable Ethernet 10/100 BaseT Ethernet port
- A wireless Ethernet adapter with improved security
- Print speeds up to 2,000 lines per minute (lpm) for demanding industrial printing applications
- A high-function operator interface
- An ultra capacity ribbon with a 50 million character life
- An intelligent ribbon system designed to maintain optimum print quality
- Proactive printer monitoring with the InfoPrint Printer Management Utility (PMU)

Key prerequisites

InfoPrint 6500

Product number

For details, refer to the Product number section in this announcement.

InfoPrint is a registered trademark of Ricoh Co., Ltd.

Planned availability dates

This product can only be announced in the following countries:

- Australia
- China
- Hong Kong
- India
- Japan
- Korea
- Malaysia
- Singapore
- Taiwan

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- V6 controller (#9500)
- On-board Ethernet adapter (#4277 and 5610)

The wireless Ethernet adapters (#4554, 4556) are not available in Asia Pacific countries.

AP distribution

Country/Region	Announced
AP IOT	
ASEAN*	Yes
India/South Asia**	Yes
Australia	Yes
People's Republic of China	Yes
Hong Kong S.A.R of the PRC	Yes
Macao S.A.R of the PRC	No
Taiwan	Yes
Korea	Yes
New Zealand	No
Japan IOT	
Japan	Yes

* Malaysia and Singapore only
** India only

Description

The InfoPrint 6500 printers attach to a wide spectrum of systems — from mainframes and parallel servers to PCs. The Models v5P, v05, v1P, v10, v15, and v20 offer:

- Print speeds up to 2,000 lines per minute
- High-function operator interface

The 6500 is being enhanced with a new, more reliable V6 controller that features improved circuitry and a larger flash memory.

This controller includes serial and parallel ports, a diagnostic port, a new optional integrated 10/100 Ethernet port, and one PCI adapter expansion slot.

Ordering and configuration information

Effective today, all orders for an InfoPrint 6500 must include Feature number 9500 (V6 controller). The following provides information regarding the ordering of an InfoPrint 6500 printer with the V6 controller.

- There is a maximum of one of the following adapters:
  - Coax/Twinax adapter (#4830, 5837)
- The power stacker (RPQ 8B4515) is not available with the Coax/twinax adapter (#4830, 5837)
- InfoPrint 6500 printers with the V6 controller will have a "J" in the third digit of the printer serial number. (For example: xxJxxxx) Thus, printers containing the new controller can be identified by both the presence of Feature number 9500 and by the unique serial number.

A detailed description of the new on-board 10/100 Ethernet adapter follow.

On-board 10/100BaseT Ethernet — Initial (#4277)

On-board 10/100BaseT Ethernet — MES (#5610)

The on-board Ethernet 10/100BaseT adapter is only available when the V6 controller (#9500) is installed.

This adapter can connect the printer to an Ethernet network using IPDS™, TCP/IP, NetBIOS TCP/IP, or IPX.

When the IPDS feature (#4861, 7866) is installed with this feature, the Ethernet 10/100 BaseT NIC can be used for IPDS printing.

This adapter provides the capability to provide printer status information via a Web page when the printer's IP address is supplied to a standard Web browser. This is in addition to the function provided by the InfoPrint Printer Management Utility.

The power stacker RPQ 8B4515 is compatible with Feature number 4277.

Technical specifications:

- Maximum number of features: One of either Feature number 4277 or 5610.
- Prerequisites: InfoPrint 6500 Model v5P, v05, v1P, v10, v15, and v20 with Feature number 9500.
- Corequisites: None.
- Compatibility conflicts: This adapter does not use the available PCI adapter slot so one of the following adapters can be installed when this feature is installed:
  - Coax/Twinax (#4830, 5837)
  - Wireless Ethernet (#4556, 4554, 4542, 4544, 4545)
- Customer setup: Yes, for Feature number 4277; no, for Feature number 5610.

Coax/Twinax attachment (#4830, 5837)

The Coax/Twinax attachment provides the addition of both a coax and a twinax interface, in addition to the ASCII serial/parallel interface.

When this feature is installed, the ASCII serial and parallel ports are still available on the printer.

Technical specifications:

- Maximum number of features: One of either Feature number 4830 or 5837.
- Prerequisites: InfoPrint 6500 Line Matrix Printer Models v5P, v05, v1P, v10, v15, and v20.
- Corequisites: None.
- Compatibility conflicts:
  - On initial orders, Feature number 4830 cannot be installed with ANSI 3.64 Emulation (#4521) or Telnet (#4520).
  - Without V6 controller (# 9500)
    - -- On MES orders, Feature number 5837 cannot be installed when the power stacker feature (RPQ 8B4515) has been installed.
    - -- There is a maximum of two of the following adapters per InfoPrint 6500 printer when the power stacker is not installed. The maximum is one adapter when the power stacker is installed.

— Coax/Twinax (#4830, 5837)

— PCI 10/100 Ethernet (#4177, 5180)

— Wireless Ethernet (#4542, 4544, 4545, 4554, 4556)

– With the V6 controller (# 9500)

-- This feature uses the only PCI adapter slot available. The PCI Ethernet NIC (#4177, 5180), or the Wireless Ethernet (#4556, 4554, 4542, 4544, 4545) cannot be installed when the Coax/Twinax adapter is installed. The on-board 10/100 Ethernet (#4277, 5610) can be installed with this Coax/Twinax Adapter.

-- The power stacker (RPQ 8B4515) is not available with this Coax/Twinax adapter and the V6 controller (#9500).

- Customer setup: Yes, if ordered along with the base printer. If ordered later as an MES, Service must install it as Feature number 5837.
- Limitations: None.
- Field installable: Yes.
- Initial order: Yes, as Feature number 4830.
- Cable orders: None.

PCI Ethernet 10/100BaseT NIC adapter (#4177, 5180)

The PCI Ethernet 10/100BaseT NIC Adapter is an internal adapter to connect the printer to an Ethernet network using IPDS, TCP/IP, NetBIOS TCP/IP, or IPX. This Network Interface Card (NIC) is an internal adapter and does not use the parallel port.

When the IPDS feature (#4861, 7866) is installed with this feature, the PCI Ethernet 10/100 BaseT NIC can be used for IPDS printing.

This adapter provides the capability to provide printer status information via a Web page when the printer's IP address is supplied to a standard Web browser. This is in addition to the function provided by the InfoPrint Printer Management Utility.

Technical specifications:

- Maximum number of features: One of either Feature number 4177 or 5180.
- Prerequisites: InfoPrint 6500 Model v5P, v05, v1P, v10, v15, and v20.
- Corequisites: None.
- Compatibility conflicts:
  – Without V6 controller (#9500)
    -- There is a maximum of two of the following adapters per InfoPrint 6500 printer when the power stacker (RPQ 8B4515) is not installed. The maximum is one adapter when the power stacker is installed.

    — Coax/Twinax adapter (#4830, 5837)

    — The PCI 10/100 Ethernet NIC (#4177, 5180)

    — Wireless Ethernet (#4542, 4544, 4545, 4554, 4556)

  – With the V6 controller (#9500)
    -- The power stacker (RPQ 8B4515) is not available when this feature is installed.

    -- On initial orders, this PCI Ethernet (#4177) is not available. Use the on-board Ethernet (#4277)

    -- On MES orders, this adapter uses the only PCI adapter slot available; hence, no other adapter can be used. InfoPrint highly discourages the use of this PCI Ethernet (#5180) on V6 controllers, and recommends using the on-board Ethernet (#5610). Business Partners wanting to exhaust their existing stock may use this PCI Ethernet on V6 controllers; although, no other adapter can ever be added.

    -- This PCI Ethernet adapter (#4177, 5180) cannot be installed with the on-board Ethernet (#4277, 5610).

- Customer setup: Yes, for Feature number 4177; no, for Feature number 5180.

Printer Management Utility (PMU)

When ordered with one of the following LAN or wireless Ethernet interfaces (#4277, 5610, 4177, 5180, 4542, 4544, 4545, 4554, 4556) the InfoPrint 6500 natively supports the PMU. This utility provides a database from which the user can have real-time visibility to printer status and ribbon life for every InfoPrint 6500 and 6700 installed on their network.

Using the database, a remote user can quickly create master configurations, and then download them to multiple printers simultaneously. If microcode updates are required, the PMU also enables new microcode to easily be downloaded to multiple printers. If a simple configuration change is required, or for problem determination, the PMU allows the use of a virtual operator panel, thereby providing the operator with complete control over the printer.

The Printer Management Utility also provides proactive printer monitoring by immediately notifying the appropriate operators when assistance is required. At the moment an alert occurs, a message indicating the type of alert is sent via e-mail to the specific operator tasked with resolving that class of alert. For example, when a "ribbon low" alert is generated by a printer, an e-mail will be sent to the person responsible for installing new ribbons on the printer.

The Printer Management Utility can be downloaded by going to

http://www.infoprint.com

1. Choose "Downloads and Drivers"
2. Then choose InfoPrint 6500

Telnet 3270e and 5250e (#4520)

The Telnet 3270e and 5250e feature allows printing that is currently performed with coax SCS or twinax SCS attached printers to be easily migrated to network-attached printers without changing the existing application.

For printers with the V6 controller (#9500), this feature must be used with either the on-board 10/100 BaseT Ethernet adapter (#4277, 5610) or the wireless Ethernet (#4542, 4544, 4545, 4554, 4556).

Without the V6 controller, this feature can be used with the 10/100 BaseT Ethernet adapter (#4177, 5180) or the wireless Ethernet adapter (#4542, 4544, 4545, 4554, 4556).

The Telnet feature cannot be used with any IPDS feature, the Coax/Twinax adapter, ANSI, or any network print server.

Technical specifications:

- Maximum number of features: One
- Prerequisites: Since this feature is initial order only, the following must also be ordered or installed prior to use:
  - PCI Ethernet 10/100BaseT NIC adapter (#4177, 5180)
  - On-board 10/100 BaseT Ethernet (#4277, 5610)
  - Wireless Ethernet (#4542, 4544, 4545, 4554, 4556)
- Corequisites: None
- Compatibility conflicts: Cannot be installed with any of the following features:
  - Coax/Twinax adapter (#4830, 5837)
  - IPDS (#4861, 7866) or
  - ANSI 3.64 Emulation (#4521)
- Customer setup: Yes
- Limitations: Initial order only
- Field installable: No
- Initial order: Yes, for #4520

- Cable order: No

IPDS (#4861, 7866)

This feature provides IPDS for the Models v5P, v05, v1P, v10, v15, and v20.

Supported adapters include:

- Coax/Twinax attachment (#4830, 5837)
- 10/100 BaseT Ethernet adapter (#4177, 5180, 4277, 5610)
- Wireless Ethernet (#4542, 4544, 4545, 4554, 4556)

IPDS cannot be installed with:

- ANSI 3.64 Emulation (#4521)
- Telnet 3270e and 5250e (#4520)
- Thai Autocompose

Technical specifications:

- Maximum number of features: One
- Corequisites: None
- Prerequisites: Refer to supported adapters above
- Compatibility conflicts: Refer to above
- Customer setup: Yes, for both Feature numbers 4861 and 7866

Product number

Description	Machine number	Feature number	Model
V6 Controller - Initial	6500	9500	v1p, v5p, v15, v20 v05, v10
On-board Ethernet - Initial	6500	4277	v1p, v5p, v15, v20 v05, v10
On-board Ethernet - MES	6500	5610	v1p, v5p, v15, v20 v05, v10

Model conversions

No model conversions are available.

Trademarks

IPDS is a trademark of International Business Machines Corporation in the United States or other countries or both.

InfoPrint is a registered trademark of Ricoh Co., Ltd., in the United States, other countries, or both.

Ricoh is a registered trademark of Ricoh Co., Ltd., and it's affiliated companies.

Other company, product, and service names may be trademarks or service marks of others.

Publications

The following publications are available and are included on the CD shipped with the InfoPrint® 6500.

Title	Order number
InfoPrint 6500 ASCII Program Reference Manual	G550-1009
InfoPrint 6500 User's Manual	S550-1002
InfoPrint 6500 Quick Start Guide	S550-1003
InfoPrint 6500 Code V User's Manual	G550-1011
InfoPrint 6500 IGP User's Manual	G550-1010
InfoPrint 6500 Coax/Twinax Programmer's Reference	G550-1012
InfoPrint 6500 IPDS(TM) Programmer's Reference	S550-1015
InfoPrint 6500 Ethernet Interface User's Guide	G550-1014
InfoPrint 6500 ANSI Programmer's Reference Manual	G550-1013

All of the above publications are available in the IPS Printing Systems Digital Library that can be accessed at the following Web site

http://www.infoprint.com

- Select "Product publications"
- Select "InfoPrint 6500"

Technical information

Specified operating environment

Hardware requirements

The InfoPrint 6500 printers attach to systems, controllers, and processors through the following adapters:

- Coax/Twinax
- Ethernet 10/100 BaseT LAN
- ASCII

Security, auditability, and control

These products use the security and auditability features of the host hardware, software, or application software.

The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communications facilities.

Terms and conditions

The terms and conditions for these features are the same as for the base InfoPrint 6500 (Machine type 6500). All warranty, service plans, hourly service rates, maintenance offerings, and other terms and conditions are identical.

Prices

For all local charges, contact your IPS representative.

Trademarks

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